

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
(c) 1993 - 2003 Compu

Search time 803.766 Seconds

9466.331 Million cell updates/sec

Title: US-09-807-933B-4
Perfect score: 1101

Sequence: 1 atgaagttattactattac.....caggttggtccaagaataaa 1101

Gapop 10.0 , Gapext 1.0

Searched: 7796847 beqs, 3455365420 residues

Total number of hits satisfying chosen parameters: 15593694

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Pending Patents NA New: *

```

1: /cgn2_6/pdatcate/1/pna/PCr_NEW COMB. seg: *
2: /cgn2_6/pdatcate/1/pna/US06_NEW COMB. seg: *
3: /cgn2_6/pdatcate/1/pna/US07_NEW COMB. seg: *
4: /cgn2_6/pdatcate/1/pna/US08_NEW COMB. seg: *
5: /cgn2_6/pdatcate/1/pna/US09_NEW COMB. seg: *
6: /cgn2_6/pdatcate/1/pna/US09_NEW COMB. seg2: *
7: /cgn2_6/pdatcate/1/pna/US09_NEW COMB. seg3: *
8: /cgn2_6/pdatcate/1/pna/US10_NEW COMB. seg: *
9: /cgn2_6/pdatcate/1/pna/US10_NEW COMB. seg2: *
10: /cgn2_6/pdatcate/1/pna/US60_NEW COMB. seg: *
11: /cgn2_6/pdatcate/1/pna/US60_NEW COMB. seg2: *

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1101	100.3	1101	6	US-09-807-933B-4	Sequence 4, Appl1
2	763	69.0	1017	6	US-09-807-933B-2	Sequence 2, Appl1
3	763	69.3	1017	8	US-10-380-420-1	Sequence 1, Appl1
4	519	47.1	1083	6	US-09-807-933B-6	Sequence 6, Appl1
5	421.2	38.3	1043	6	US-09-807-933B-13	Sequence 13, Appl1
6	390.2	35.4	1164	6	US-09-807-933B-10	Sequence 10, Appl1
7	367.4	33.4	1017	6	US-09-807-933B-8	Sequence 8, Appl1
8	289.6	26.3	1041	6	US-10-367-933B-12	Sequence 12, Appl1
9	109.8	10.0	890	8	US-10-369-493-27891	Sequence 27891, F
10	96.8	8.8	423	8	US-10-205-189A-241	Sequence 241, Appl1
11	94.6	8.6	627	8	US-10-205-189A-233	Sequence 233, Appl1
12	94	8.5	428	8	US-10-205-189A-244	Sequence 244, Appl1
13	92.4	8.4	416	8	US-10-205-189A-256	Sequence 256, Appl1
14	90.8	8.2	417	8	US-10-205-189A-278	Sequence 278, Appl1
15	89.8	8.2	1257	8	US-10-380-420-5	Sequence 5, Appl1
16	89.8	8.2	1257	8	US-10-416-328-5	Sequence 7, Appl1
17	89.4	8.1	5046	6	US-09-548-938A-5	Sequence 5, Appl1
18	88	8.0	390	8	US-10-205-189A-255	Sequence 255, Appl1
19	87	7.9	154	6	US-09-807-933B-94	Sequence 94, Appl1
20	83.4	7.6	118	6	US-09-807-933B-92	Sequence 92, Appl1
21	83.4	7.6	298	8	US-10-205-189A-294	Sequence 294, Appl1
22	82	7.4	154	6	US-09-807-933B-93	Sequence 93, Appl1

23	80.6	7.3	449	8	US-10-205-189A-234	Sequence 234, App
24	80	7.3	120	6	US-09-807-933B-91	Sequence 91, App
25	79.6	7.2	160	6	US-09-807-933B-90	Sequence 90, App
26	79.6	7.2	450	8	US-10-205-189A-258	Sequence 258, App
27	77.4	7.0	448	8	US-10-205-189A-236	Sequence 236, App
28	76.8	7.0	361	8	US-10-205-189A-268	Sequence 268, App
29	75.2	6.8	453	8	US-10-205-189A-235	Sequence 235, App
30	74	6.7	117	6	US-09-807-933B-95	Sequence 95, App
31	73.8	6.7	441	8	US-10-205-189A-238	Sequence 238, App
32	73.2	6.6	368	8	US-10-205-189A-261	Sequence 261, App
33	73.2	6.6	450	8	US-10-205-189A-253	Sequence 253, App
34	72.8	6.6	420	8	US-10-205-189A-240	Sequence 240, App
35	72.4	6.6	132	6	US-09-807-933B-86	Sequence 86, App
36	71.8	6.5	367	8	US-10-205-189A-272	Sequence 272, App
37	71.8	6.5	392	8	US-10-205-189A-264	Sequence 264, App
38	71.8	6.5	405	8	US-10-205-189A-237	Sequence 237, App
39	71.2	6.5	424	8	US-10-205-189A-265	Sequence 265, App
40	71.2	6.5	434	8	US-10-205-189A-270	Sequence 270, App
41	69.6	6.3	273	8	US-10-205-189A-311	Sequence 311, App
42	69.6	6.3	399	8	US-10-205-189A-263	Sequence 263, App
43	69.6	6.3	404	8	US-10-205-189A-260	Sequence 260, App
44	69.6	6.3	412	8	US-10-205-189A-269	Sequence 269, App
45	69.6	6.3	413	8	US-10-205-189A-262	Sequence 262, App

ALIGNMENTS

```

RESULT 1
US-09-807-933B-4
Sequence 4, Application US/09807933B
GENERAL INFORMATION:
APPLICANT: MEIJI SEIKA KAISHA, LTD.
TITLE OF INVENTION: Endoglucanase and cellulase composition containing the
TITLE OF INVENTION: same
FILE REFERENCE: 121659PX
CURRENT APPLICATION NUMBER: US/09/807,933B
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: JP302387/1998
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 113
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 1101
TYPE: DNA
ORGANISM: Rhizopus oryzae CP96001
FEATURE:
NAME/KEY: sig_peptide
LOCATION: (1)..(69)
FEATURE:
NAME/KEY: mat_peptide
LOCATION: (70)..(1101)
US-09-807-933B-4

Query Match          100.0%; Score 1101; DB 6; Length 1101;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1101; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1 ATGAAGTTATTACTATTACTCTTCCTCCGCTCTCTTGCGCTTCGCCCTTGAGTACTGAATG 60
DB      1 ATGAAGTTATTACTATTACTCTTCCTCCGCTCTCTTGCGCTTCGCCCTTGAGTACTGAATG 60

QY      61 GCCTCGCTGCTAAATAGTAGCAAGCTGATAGGTCAATGTGGTGGTAAAGAACTGGAAATGCG 120
DB      61 GCCTCGCTGCTAAATAGTAGCAAGCTGATAGGTCAATGTGGTGGTAAAGAACTGGAAATGCG 120

QY      121 CCTACTGTTGGCGAATCTGATTCACCTGTAAAGTAAAGCAACGATTACTACTTCGAATGT 180
DB      121 CCTACTGTTGGCGAATCTGATTCACCTGTAAAGTAAAGCAACGATTACTACTTCGAATGT 180

QY      181 CTGGCCCCCTGAAGCAACGGCAATAGTCTTCTGAAGCTTACCAAGCTGTATGTCGAATGT 240
DB      181 CTGGCCCCCTGAAGCAACGGCAATAGTCTTCTGAAGCTTACCAAGCTGTATGTCGAATGT 240

```


Db 848 ACGGTGATTTCTTTCATCTGACTGCTTACTCTTCTTCCGACCTCCAGCTGGTT 907
Qy 992 GTAAATGAGATTCACTGCTTCAAGAACGCTGATTAACCCAGCATGACTTACAGAGAG 1051
Db 908 GTAAATGAGATTCACTGCTTCAAGAACGCTGATTAACCCAGCATGACTTACAGAGAG 967
Qy 1052 TTACCTGTCCCAAGAAATCAACGCCCAAGACAGGTTGTTCAAGAAATTA 1101
Db 968 TTACTGTCTTAAGAAATCAACGCCCAAGACAGGTTGTTCAAGAAATTA 1017
RESULT 3
US-10-380-420-1
Sequence 1, Application US/10380420
GENERAL INFORMATION:
APPLICANT: Meiji Seika Kaisha, Ltd.
TITLE OF INVENTION: METHOD OF DRINKING WASTE PAPER USING CELLULASE WITHOUT LOWERING F
FILE REFERENCE: VX032516 PCT
CURRENT APPLICATION NUMBER: US/10/380,420
CURRENT FILING DATE: 2003-03-14
PRIORITY APPLICATION NUMBER: PCT/JP01/08017
PRIORITY FILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1017
TYPE: DNA
ORGANISM: Rhizopus oryzae
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1017)
OTHER INFORMATION:
US-10-380-420-1

Query Match 69.3%; Score 763; DB 8; Length 1017;
Best Local Similarity 90.3%; Pred. No. 1,76-219;
Matches 858; Conservative 0; Mismatches 35; Indels 57; Gaps 2;

Qy 209 CTTCTGATGTAGCAAGTTGATGTCAATGTGTTGAAGACTGCAATGAGCCCTACTT 268
Db 68 CTGCTGATGTAGCAAAATGTATGTCAATGTGTTGAAGACTGCAATGAGCCCTACTT 127
Qy 269 GTTGCGATCTGATCCAGCTGTAAAGTAAGCAAGTACTTCACTCTCAATGCTTGCC 328
Db 128 GTTGCGATCTGATCCAGCTGTAAAGTAAGCAAGTACTTCACTCTCAATGCTTGCC 187
Qy 329 CTGAAAGCAATGCAATTAACCTTCTGAAGCGCTCATTAACGACT----- 375
Db 188 CTGGAAGCAATGCAATTAACCTTCTGAAGCGCTCATTAACGACT----- 247
Qy 376 -----ACTACACTGCTCCGCTAAGAAATTA 403
Db 248 ACAAGAAAGCAATGCAATGCTCTCATTAACGACTCTGCTAAGAAAGCTA 307
Qy 404 CAACACTGCAAGGCTTCAACTCTTCTAATCTC-----AGGGCAAAATCT 451
Db 308 CAACACTGCAAGGCTTCAACTCTTCTAATCTC-----AGGGCAAAATCT 367
Qy 452 CCATTGCTCTGATGCTCTCTGTTAAGGTTGCACTGCTTATGAGGATGCTGTA 511
Db 368 CCGGCTCTCTGATGCTCTCTGTTAAGGTTGCACTGCTTATGAGGATGCTGTA 427
Qy 512 AGGCTCTCTGATGCTGCGCGGTAAAGGCAATGTCAGTTCTCTGCAAGTCTGTAACA 571
Db 428 AGGCTCTCTGATGCTGCGCGGTAAAGGCAATGTCAGTTCTCTGCAAGTCTGTAACA 487
Qy 572 AAGATGCTGATGCTGCGCGGTAAAGGCAATGTCAGTTCTCTGCAAGTCTGTAACA 631
Db 488 AAGATGCTGATGCTGCGCGGTAAAGGCAATGTCAGTTCTCTGCAAGTCTGTAACA 547
Qy 632 GTTACATGTGTAGCAACAAGGCTTGGGCTGTAAAGATTAATCTTGGCTTATGTTTCG 691
Db 632 GTTACATGTGTAGCAACAAGGCTTGGGCTGTAAAGATTAATCTTGGCTTATGTTTCG 691

Db 548 GTTACATGTGTAGCAACAAGGCTTGGGCTGTAAAGATTAATCTTGGCTTATGTTTCG 607
Qy 692 CTGCTGCTGCAATCAGGAGGAGGAGTGAATCTGCTGAGGAGGAGTGAATCTGTTGGAATTA 751
Db 608 CTGCTGCTGCAATCAGGAGGAGGAGTGAATCTGCTGAGGAGGAGTGAATCTGTTGGAATTA 667
Qy 752 CTTTCACTTCTACTCTGTTGCTGTGAAGAGATGTTATCAAGTCACTCACTGAGT 811
Db 668 CTTTCACTTCTACTCTGTTGCTGTGAAGAGATGTTATCAAGTCACTCACTGAGT 727
Qy 812 GTGATCTTGCTCTCTCACTGCTGCTCACTTTGAATGCAATGCGCGGTGCTGTTG 871
Db 728 GTGATCTTGCTCTCTCACTGCTGCTCACTTTGAATGCAATGCGCGGTGCTGTTG 787
Qy 872 GTATTTTCAATGTTGCTGCAAGAGGAGTGTCCCATTAAGCGTTGGGGCTCGAGT 931
Db 788 GTATTTTCAATGTTGTTTCCAGCCAAAGGAGTGTCCCATTAAGCGTTGGGGCTCGAGT 847
Qy 932 ACGGTGATTTCTTTCATCTGACTGCTCTAGTCTTCTCCGCACTCCAGCTGGTT 991
Db 848 ACGGTGATTTCTTTCATCTGACTGCTCTAGTCTTCTCCGCACTCCAGCTGGTT 907
Qy 992 GTAAATGAGATTCACTGCTTCAAGAACGCTGATTAACCCAGCATGACTTACAGAGAG 1051
Db 908 GTAAATGAGATTCACTGCTTCAAGAACGCTGATTAACCCAGCATGACTTACAGAGAG 967
Qy 1052 TTACCTGTCCCAAGAAATCAACGCCCAAGACAGGTTTTCAGAAATTA 1101
Db 968 TTACTGTCTTAAGAAATCAACGCCCAAGACAGGTTTTCAGAAATTA 1017

RESULT 4
US-09-807-933B-6
Sequence 6, Application US/09807933B
GENERAL INFORMATION:
APPLICANT: MEIJI SEIKA KAISHA, LTD.
TITLE OF INVENTION: Endoglucanase and cellulase composition containing the
FILE REFERENCE: 121659PX
CURRENT APPLICATION NUMBER: US/09/807,933B
CURRENT FILING DATE: 2002-04-18
PRIORITY APPLICATION NUMBER: JP023387/1998
PRIORITY FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 113
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 1083
TYPE: DNA
ORGANISM: Rhizopus oryzae CP96001
FEATURE:
NAME/KEY: sig_peptide
LOCATION: (1)..(69)
FEATURE:
NAME/KEY: mat_peptide
LOCATION: (70)..(1083)
US-09-807-933B-6

Query Match 47.1%; Score 519; DB 6; Length 1083;
Best Local Similarity 69.7%; Pred. No. 8,96-146;
Matches 772; Conservative 0; Mismatches 305; Indels 30; Gaps 4;

Qy 1 ATGAAGTTTATTTACTATTACTCTTCCGCTCTCTGCTCTCCGCTTGTGATGAAATG 60
Db 1 ATGAAGTTTCTTACTATTGCTCTCTCCGCTATCTTGTGCACTGCGTGGATGAAATG 60
Qy 61 GCTCTGCTCTAATATGACAGCTGTATGATGATGATGATGATGATGATGATGATGATG 120
Db 61 GCTCTGCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 120
Qy 121 CTTACTGTTGCGAATCTGATCCACTG-----TAAAGTAAGCAAGTACTTACTCT 174
Db 121 CTTACTGTTGCGAATCTGATCCACTG-----TAAAGTAAGCAAGTACTTACTCT 174

175 CAATGCTTGGCCCTGAAAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 234
181 CAATGCTTGGCCCTGAAAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 240
235 CAATGCTTGGCCCTGAAAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 294
241 ACTGAGAGTGGCCCAAGAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 300
295 GTAGCAAGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 354
301 GCTCTAAGAGAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 351
355 GAAAGCGCTCATAAACCACTACCTACCTGCTCCCGTAAAGAAATTAACAATATGCT 414
352 GAAGCGCTCATAAACCACTACCTACCTGCTCCCGTAAAGAAATTAACAATATGCT 399
415 AAGGCTTCAAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 474
400 ACTTCTCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 459
475 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 534
460 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 519
535 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 594
520 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 576
595 GACAGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 654
577 GATACCAAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 636
655 CTTTGGGCTTAAAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 714
637 CTTTGGGCTTAAAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 696
715 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 774
697 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 756
775 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 834
757 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 816
835 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 894
817 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 876
895 CAATGCTTGGCCCTGAAAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 954
877 CAATGCTTGGCCCTGAAAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 936
955 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1014
937 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 996
1015 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1074
997 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1056
1075 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1101
1057 GGTAAAGTGTGCACTACCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1083

RESULT 5
US-09-807-933B-13

; Sequence 13, Application US/09807933B
; GENERAL INFORMATION:
; APPLICANT: MEIJI SEIKA KAISHA, LTD.
; TITLE OF INVENTION: Endoglucanase and cellulase composition containing the
; FILE REFERENCE: 121659PX

CURRENT APPLICATION NUMBER: US/09/807,933B
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: JP302387/1998
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 113
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 1043
TYPE: DNA
ORGANISM: Artificial Sequence
NAME/KEY: sig_peptide
LOCATION: (16)..(84)
FEATURE:
NAME/KEY: mat_peptide
LOCATION: (84)..(1043)
OTHER INFORMATION: Codon-optimized sequence corresponding to RCE 1 protein
US-09-807-933B-13

Query Match 38.3%; Score 421.2; DB 6; Length 1043;
Best Local Similarity 72.4%; Pred. No. 3e-116;
Matches 565; Conservative 0; Mismatches 203; Indels 12; Gaps 1;

334 AGCAATGCGATTAATCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 393
253 ACCGCTGCGCAAGAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 312
394 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 444
313 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 372
445 ---AATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 501
373 GAAAGTACAGCGCTGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 432
502 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 561
433 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 492
562 TCTGTAAGCAAGTGTGCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 621
493 TCTGTAAGCAAGTGTGCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 552
622 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 681
553 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 612
682 TATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 741
613 TATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 672
742 TATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 801
673 TATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 732
802 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 861
733 AAGGCAATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 792
862 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 921
793 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 852
922 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 981
853 GATGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 912
982 CAAGGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1041
913 CAAGGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 972
1042 TACAGGAGTGTACCTGCTCCAGAGCAAGCGCAATAGCTTCTGATGTAGCAAGCGCAATAGCTTCTGATGTAGCAAGTGTATGCT 1101

Db 973 TACAGAGATCCTGCCCCAGAGATCAACCGTAAGCCGATGCTCCGCGAATGA 1032

RESULT 6
US-09-807-933B-10
; Sequence 10, Application US/09807933B
; GENERAL INFORMATION:
; APPLICANT: MEIJI SEIKA KAISHA, LTD.
; TITLE OF INVENTION: Endoglucanase and cellulase composition containing the
; TITLE OF INVENTION: same
; FILE REFERENCE: 121659PX
; CURRENT APPLICATION NUMBER: US/09/807,933B
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: JP02387/1998
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1164
; TYPE: DNA
; ORGANISM: *Mucor circinelloides* CP99001
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: (1)..(66)
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: (67)..(1164)
US-09-807-933B-10

Query Match 35.4%; Score 390.2; DB 6; Length 1164;
Best Local Similarity 64.2%; Pred. No. 7.3e-107;
Matches 715; Conservative 0; Mismatches 308; Indels 90; Gaps 5;

Qy 67 GCTGTAATGATGACAGAGCTGTATGTGATGTGTGATGATGATGATGATGATGAT 126
Db 64 GCTGCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 123
Qy 127 TGTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
Db 124 TGTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 183
Qy 181 CTTCGCTGTAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 240
Db 184 ATTCCCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 243
Qy 241 GGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 294
Db 244 GGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 303
Qy 295 GTAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 354
Db 304 GAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 363
Qy 355 GAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 381
Db 364 GCTAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 423
Qy 382 -----ACTGCTCCGCTAAGCAATTAACAAT 408
Db 424 ACTGTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 483
Qy 409 ACTGTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 468
Db 484 ACTGTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 543
Qy 469 GCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 528
Db 544 AAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 603
Qy 529 CCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 588
Db 604 CCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 660

Qy 589 CTAGTACAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 648
Db 661 TTATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
Qy 649 AACCAAGCTTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 708
Db 721 AACCAAGCTTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
Qy 709 GGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 768
Db 781 GGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Qy 769 GTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 828
Db 841 GCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 896
Qy 829 ACTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 888
Db 897 -----TACCACTTGTATGATGATGATGATGATGATGATGATGATGATGATGAT 951
Qy 889 TCAGCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 948
Db 952 GCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1011
Qy 949 GCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1008
Db 1012 GCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1071
Qy 1009 TGTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1068
Db 1072 TGTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1131
Qy 1069 ATCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1101
Db 1132 TTAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1164

RESULT 7
US-09-807-933B-8
; Sequence 8, Application US/09807933B
; GENERAL INFORMATION:
; APPLICANT: MEIJI SEIKA KAISHA, LTD.
; TITLE OF INVENTION: Endoglucanase and cellulase composition containing the
; TITLE OF INVENTION: same
; FILE REFERENCE: 121659PX
; CURRENT APPLICATION NUMBER: US/09/807,933B
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: JP02387/1998
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: *Mucor circinelloides* CP99001
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: (1)..(66)
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: (67)..(1017)
US-09-807-933B-8

Query Match 33.4%; Score 367.4; DB 6; Length 1017;
Best Local Similarity 70.9%; Pred. No. 5.3e-100;
Matches 520; Conservative 0; Mismatches 201; Indels 12; Gaps 2;

Qy 369 AACCAAGCTTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 428
Db 297 AACCAAGCTTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 356
Qy 429 TTCTAAGCTTGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 488

;; PRIOR FILING DATE: 2002-02-21
 ;; NUMBER OF SEQ ID NOS: 47374
 ;; SEQ ID NO 27891
 ;; LENGTH: 890
 ;; TYPE: DNA
 ;; ORGANISM: Neurospora crassa
 US-10-369-493-27891

Query Match 10.0%; Score 109.8; DB 8; Length 890;
 Best Local Similarity 53.9%; Pred. No. 3.2e-22;
 Matches 369; Conservative 0; Mismatches 242; Indels 74; Gaps 4;

466 GGTGCTCTGGTAAAGGCTGCTACTGCTATTGGAGTTCCTGTAAGCCTCCGTAGC 525
 19 GCTGCTCCGGATCCGGCCAGTCCACGATATTGGAGTTCCTGTAAGCCTCCGTAGC 78
 526 TGGCCCGGTAAAGCCAAATGTCAGTTCTCTGTAAGTCTGTAAGCAAGATGCTGACT 585
 79 TGGTCCGGCAAGGCTCTGCTCAACCGACCGCTCTGCTGCAAGCAAAACA---CAAC 135
 586 GCGCTTGTGACACCAATGTCAGTAAAGTGGCTGTAAGTGGTAAAGTAAATGTAATAC 645
 136 CCGCTGAGCAGCGCAGTGAAGTGGATGATGAGCGGTGTCATACACCTGCTGCC 195
 646 GACAACAGCCTTGGGCTGTAAGCAATATCTGCTATGTTGCTGCTGCTGCTGCTGCT 705
 196 AACCACTGACATGGCGGTGTAAGCAAGCTCTCTGAGCGCTTGGCCGACGAAATC 255
 706 AGTGTGATGATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 747
 256 AGTGTGATGATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 315
 748 -----CTTACTTGAATCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 772
 316 TTGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 375
 773 CTGTAAGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 832
 376 CTGCAAGCAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 431
 833 GTGCTCACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 892
 432 -----CACTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 486
 893 AGCAATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 952
 487 GACAGTTTCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 537
 953 CTGACTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1012
 538 GCGAGTGGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 597
 1013 TCAAGAACGCTGATTAACCAAGATGATGATGATGATGATGATGATGATGATGATGAT 1072
 598 TCCAGAACGCTGATTAACCAAGATGATGATGATGATGATGATGATGATGATGATGAT 657
 1073 CCGGCAAGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1097
 658 CATCCGCAAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 682

RESULT 10

US-10-205-189A-241
 ; Sequence 241, Application US/10205189A
 ; GENERAL INFORMATION:
 ; APPLICANT: Andersen, Scott E.
 ; APPLICANT: Huesing, Joseph E.
 ; APPLICANT: Romano, Charles P.
 ; APPLICANT: Vetsch, Clayton S.
 ; APPLICANT: Hicks, Glenn R.
 ; TITLE OF INVENTION: Nucleic Acid Sequences from Diabrotica virgifera virgifera
 ; TITLE OF INVENTION: Leconte and Uses thereof
 ; FILE REFERENCE: 38-21(51497)C

;; CURRENT APPLICATION NUMBER: US/10/205,189A
 ;; CURRENT FILING DATE: 2002-07-24
 ;; PRIOR APPLICATION NUMBER: US 60/307,512
 ;; PRIOR FILING DATE: 2001-07-24
 ;; NUMBER OF SEQ ID NOS: 9112
 ;; SEQ ID NO 241
 ;; LENGTH: 423
 ;; TYPE: DNA
 ;; ORGANISM: Diabrotica virgifera
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: LIB3026-024-Q1-E1-B9
 US-10-205-189A-241

Query Match 8.8%; Score 96.8; DB 8; Length 423;
 Best Local Similarity 58.2%; Pred. No. 2e-18;
 Matches 233; Conservative 0; Mismatches 152; Indels 15; Gaps 3;

685 GGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 744
 32 GGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 91
 745 GAATTAATCTTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 804
 92 TTACTTGAATCAAGAT---CAATTTCAAAAGAAAGATGATGATGATGATGATGATGAT 148
 805 ACTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 864
 149 ACTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 199
 865 GGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 921
 200 GGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 259
 922 GGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 981
 260 GGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 319
 982 CAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1041
 320 CAGTTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 379
 1042 TACAAGAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1081
 380 TTCAGAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 419

RESULT 11

US-10-205-189A-233
 ; Sequence 233, Application US/10205189A
 ; GENERAL INFORMATION:
 ; APPLICANT: Andersen, Scott E.
 ; APPLICANT: Huesing, Joseph E.
 ; APPLICANT: Romano, Charles P.
 ; APPLICANT: Vetsch, Clayton S.
 ; APPLICANT: Hicks, Glenn R.
 ; TITLE OF INVENTION: Nucleic Acid Sequences from Diabrotica virgifera virgifera
 ; TITLE OF INVENTION: Leconte and Uses thereof
 ; FILE REFERENCE: 38-21(51497)C
 ; CURRENT APPLICATION NUMBER: US/10/205,189A
 ; CURRENT FILING DATE: 2002-07-24
 ; PRIOR APPLICATION NUMBER: US 60/307,512
 ; PRIOR FILING DATE: 2001-07-24
 ; NUMBER OF SEQ ID NOS: 9112
 ; SEQ ID NO 233
 ; LENGTH: 627
 ; TYPE: DNA
 ; ORGANISM: Diabrotica virgifera
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: pGUT3409
 US-10-205-189A-233
 Query Match 8.6%; Score 94.6; DB 8; Length 627;
 Best Local Similarity 53.7%; Pred. No. 1.1e-17;

Qy	1015	AAGAAAGCTGATTAACCCAGAGATGACTTAAACGAAGGTTAACTGTCGCAAGGAAATACG	1074
Db	274	CAGATGCTTAACAATCCAGAGATGATTTCCACCAAGTCCAAAGCCCTGCTGAAATCGT	333
Qy	1075	GCCCAAGACAGTTG	1088
Db	334	GCCAGATCTGGTTG	347

```

RESULT 14 /
US-10-205-189A-278
Sequence 278. Application US/10205189A
GENERAL INFORMATION:
APPLICANT: Andersen, Scott E.
APPLICANT: Hueising, Joseph E.
APPLICANT: Romano, Charles P.
APPLICANT: Vetsch, Clayton S.
APPLICANT: Hicks, Glenn R.
TITLE OF INVENTION: Nucleic Acid Sequences from Diabrotica virgifera virgifera
TITLE OF INVENTION: DeConce and Uses thereof
FILE REFERENCE: 38-21(51497)C
CURRENT APPLICATION NUMBER: US/10/205,189A
CURRENT FILING DATE: 2002-07-24
PRIOR APPLICATION NUMBER: US 60/307,512
PRIOR FILING DATE: 2001-07-24
NUMBER OF SEQ ID NOS: 9112
SEQ ID NO 278
LENGTH: 417
TYPE: DNA
ORGANISM: Diabrotica virgifera
FEATURE:
OTHER INFORMATION: Clone ID: LIB026-035-Q1-E1-G10
US-10-205-189A-278

```

Query Match	8.2%	Score 90.8	DB 8	Length 417
Best Local Similarity	60.5%	Pred No. 1.3e-16		
Matches 190	Conservative	0	Mismatches 112	Indels 12
			Gaps 2	
QY	778	AAGAAGATGGTTATCCAAATCACTAACACTGGTGGATCTTGGCTCCTTAAGTGGCT	837	
Db	17	AAGAAAATGATGTCAAGATTCAAAATCTGGTTCGAT-----TTGAGTCATAT	67	
QY	838	CACCTTGACTTGCAAATATGCCGGTGGTGGTGTGGTATTTTCAT---GGTTGCTCAAG	894	
Db	68	CATTTTCATATGCTCTTCCCGAAGTGGTGTGAAATTTTCATCAAGTGTGATGAC	127	
QY	895	CAATGGGGGCTCCCAATGACGGTTGGGGCTGAGATACGGGTAATTTCTTCATGACT	954	
Db	128	CAATGAATGCCCAATGGAACGGTTGGGGTGACCAATATGGTGAAGTTCAATACAGAGCC	187	
QY	955	GACTGCTCTAAGTCTTCTCTTCGCACTCCAAAGCTGGTGTGAATGAGATTCAACTGGTTC	1014	
Db	188	GAATGTGCTACCCCTTCTCTCAAGCTTTAAGTGTGATGTATCTTAGATTGATTTCTAC	247	
QY	1015	AAGAACGCTGATATCCCAAGCATGACTTAACAAGAAATTAACTCTGTCCCAAGGAATCAAC	1074	
Db	248	CAGATGCTTAACAATCCAAAGATGACTTCGACCAAGTCCATGTCTCTGTAATCGTT	307	
QY	1075	GCCAAAGACAGGTTG 1088		
Db	308	GCCAGATCTGGTTG 321		

```

RESULT 15
US-10-380-420-5
; Sequence 5, Application US/10380420
; GENERAL INFORMATION:
; APPLICANT: Meiji Seika Kaisha, Ltd.
; TITLE OF INVENTION: METHOD OF DEINKING WASTE PAPER USING CELLULASE WITHOUT LOWERING F
; TITLE OF INVENTION: STRENGTH AND EVALUATION METHOD THEREOF
; FILE REFERENCE: VX032516 PCT
; CURRENT APPLICATION NUMBER: US/10/380,420
; CURRENT FILING DATE: 2003-03-14

```

```

1      PRIOR APPLICATION NUMBER: PCT/JP01/08017
2      PRIOR FILING DATE: 2000-09-14
3      NUMBER OF SEQ ID NOS: 6
4      SOFTWARE: PatentIn version 3.1
5      SEQ ID NO 5
6      LENGTH: 1257
7      TYPE: DNA
8      ORGANISM: Humicola insolens
9      FEATURE:
10     NAME/KEY: sig_peptide
11     LOCATION: (118)..(180)
12     OTHER INFORMATION:
13     FEATURE:
14     NAME/KEY: mat_peptide
15     LOCATION: (181)..( )
16     OTHER INFORMATION:
17     FEATURE:
18     NAME/KEY: CDS
19     LOCATION: (178)..(452)
20     OTHER INFORMATION:
21     FEATURE:
22     NAME/KEY: Intron
23     LOCATION: (453)..(508)
24     OTHER INFORMATION:
25     FEATURE:
26     NAME/KEY: CDS
27     LOCATION: (509)..(1088)
28     OTHER INFORMATION:
29     US-10-380-420-5

```

Query Match	8.2%	Score 89.8	DB 8	Length 1257
Best Local Similarity	58.9%	Pred. No. 4.1e-16		
Matches	201	Conservative	0	Mismatches 122; Indels 18; Gaps 2
Qy	748	CTTACTTTCACCTTCTACTCTGTGGCTGGTAAGAAGATGTTATCCAAAGTCACTAACT	807	
Db	510	CTCACTTTCACATCCGGTCTGTGGTCTGGCAAGAAGATGTCCTCACTCCACGACCT	569	
Qy	808	GATGTGTACTTTGGCTCCTCTACTGTGTCTACCTTTGACTTGCAAATGCCGGTGTGT	867	
Db	570	GACGGTATCTTGGCAGACAC-----CACTTCGATCTTCACATCCCGCGCGCGC	620	
Qy	868	GTTGGTATTTTCANAGTGTGTCCAGCAAGATGGGGTGTCCCAATGACGGTTGGGGCTCG	927	
Db	621	GTCGGCACTTTCGACGAGATGACATCCCAAGTTCCGGGCTC-----TGGCCGGCAG	671	
Qy	928	AGATACGGTGTGTAATTTCTTCTGCATCTGACTGCTCTAATCTTCTCCGCACTCCAACT	987	
Db	672	CGTACGGCGGCACTCTCGTCCCGCAGCAAGTGCATCTGTTCCCGAAGGCCCTCAAGCC	731	
Qy	988	GATTGTAAATGAGATTCAACTGTGTTCAAGAACGCTGATTAACCCAGCATGACTTACAG	1047	
Db	732	GAGTGTCTACTGGCGCTTGCAGCTGTGTTCAAGAACCGCGCAACCCAGGCTTACGTTCCGT	791	
Qy	1048	GAAGTACTCTGTCCCAAGGAATACCGCCCAAGACAGTTG	1088	
Db	792	CAGGTCCAAATGCCAGCCGAGCTGTCTCTCGACCCGATG	832	

Search completed: June 18, 2003, 00:02:03
Job time : 806.766 secs

THIS PAGE BLANK (USPTO)